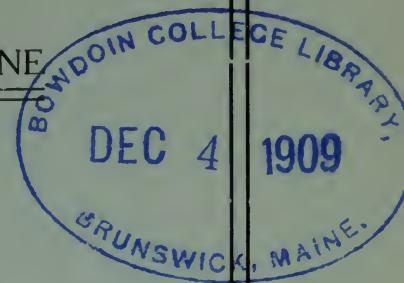


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MEDICAL SCHOOL OF MAINE



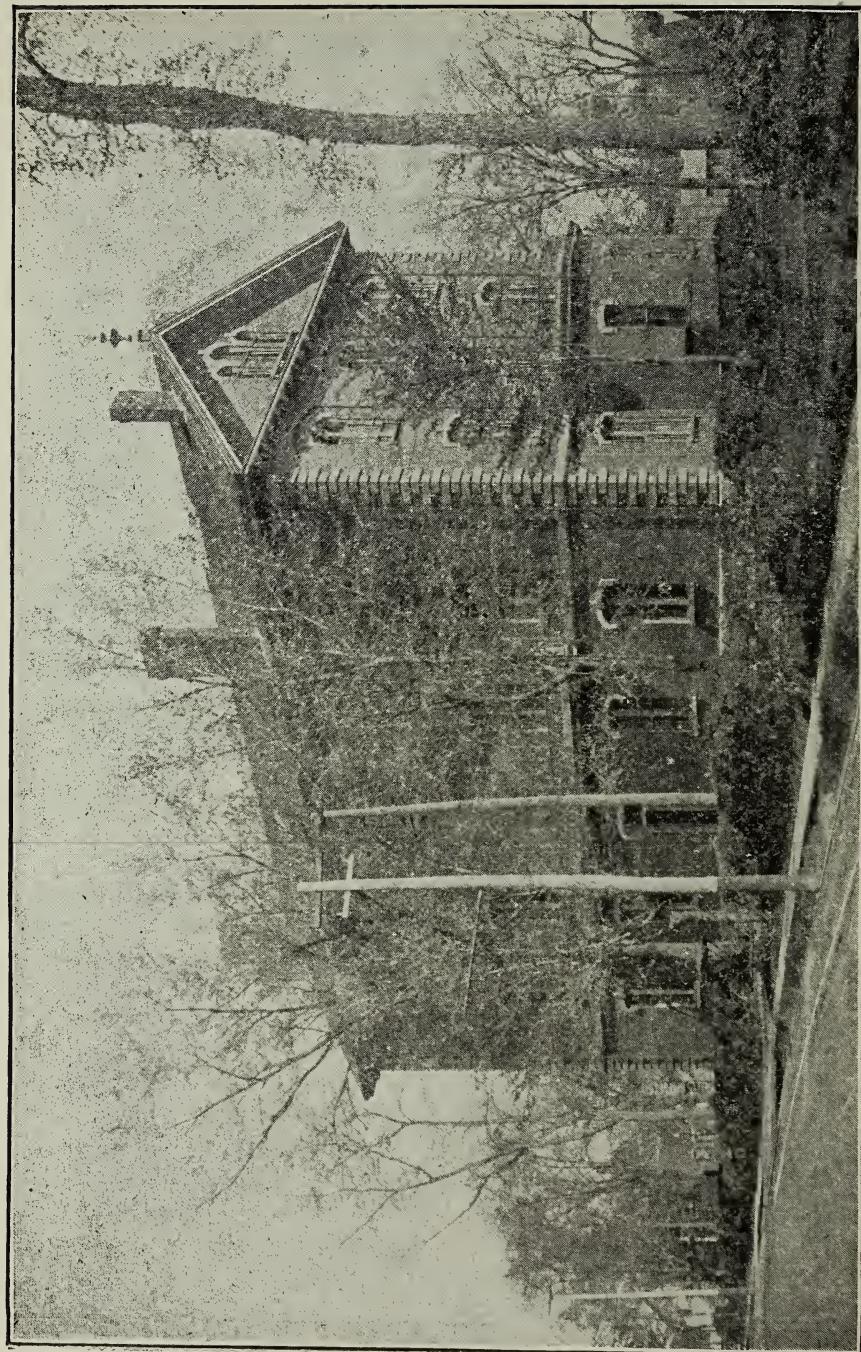
THE MEDICAL DEPARTMENT

OF

BOWDOIN COLLEGE

EIGHTY-FIFTH YEAR
SESSION OF 1904-1905

PRESS OF THE BRUNSWICK RECORD
BRUNSWICK, MAINE



SCHOOL BUILDING, BRUNSWICK

MEDICAL SCHOOL OF MAINE

THE MEDICAL DEPARTMENT

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FACULTY.

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PRESIDENT,

No. 85 Federal Street, Brunswick.

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HON. WILLIAM PIERCE FRYE, LL. D.,
FROM THE BOARD OF TRUSTEES.

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HON. JOHN HOLMES GOODENOW, A. B.,
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DEAN AND PROFESSOR OF INTERNAL MEDICINE.

163 Maine Street, Brunswick.

FREDERIC HENRY GERRISH, M. D., LL. D.

PROFESSOR OF ANATOMY.

675 Congress Street, Portland.

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PROFESSOR OF SURGERY AND CLINICAL SURGERY.

662 Congress Street, Portland.

CHARLES OLIVER HUNT, A. M., M. D.,

PROFESSOR OF MATERIA MEDICA AND THERAPEUTICS.

321 Brackett Street, Portland.

FRANKLIN CLEMENT ROBINSON, LL. D.,

PROFESSOR OF CHEMISTRY.

214 Maine Street, Brunswick.

LUCILIUS ALONZO EMERY, LL. D.,

PROFESSOR OF MEDICAL JURISPRUDENCE.

Ellsworth.

MEDICAL SCHOOL OF MAINE

CHARLES DENNISON SMITH, A. M., M. D.,
PROFESSOR OF PHYSIOLOGY.
Maine General Hospital.

ALBERT ROSCOE MOULTON, M. D.,
PROFESSOR OF MENTAL DISEASES.
Pennsylvania Hospital for the Insane.

WILLIS BRYANT MOULTON, A. M., M. D.,
PROFESSOR OF OPHTHALMOLOGY
180 State Street, Portland.

JOHN FRANKLIN THOMPSON, A. M., M. D.,
PROFESSOR OF DISEASES OF WOMEN.
211 State Street, Portland.

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PROFESSOR OF DISEASES OF CHILDREN.
730 Congress Street, Portland.

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PROFESSOR OF PATHOLOGICAL HISTOLOGY AND BACTERIOLOGY.
161 Maine Street, Brunswick.

ALFRED KING, A. B., M. D.,
ASSOCIATE PROFESSOR AND DEMONSTRATOR OF ANATOMY.
610 Congress Street, Portland.

EDWARD JOSEPH McDONOUGH, A. B., M. D.,
PROFESSOR OF OBSTETRICS.
624 Congress Street, Portland.

HENRY HERBERT BROCK, A. B., M. D.,
ASSISTANT CLINICAL PROFESSOR OF SURGERY.
662 Congress Street, Portland.

CHARLES BRYANT WITHERLEE, A. B., M. D.,
LECTURER IN NECROLOGY.
704 Congress Street, Portland.

ALFRED MITCHELL, JR., A. B., M. D.,
INSTRUCTOR IN GENITO-URINARY SURGERY.

Y. M. C. A. Building, Portland.

GUSTAF ADOLPH PUDOR, A. B., M. D.,
INSTRUCTOR IN DERMATOLOGY.

134 Free Street, Portland.

EDVILLE GERHARD ABBOTT, M. D.,
CLINICAL INSTRUCTOR IN ORTHOPEDIC SURGERY.

14 Deering Street, Portland.

GILBERT MOLLESON ELLIOTT, A. M., M. D.,
ASSISTANT DEMONSTRATOR OF ANATOMY.

152 Maine Street, Brunswick.

WALTER EATON TOBIE, M. D.,
INSTRUCTOR IN SURGERY AND ASSISTANT DEMONSTRATOR OF ANATOMY.

126 Free Street, Portland.

RICHARD DRESSER SMALL, A. B., M. D.,
DEMONSTRATOR OF HISTOLOGY.

154 High Street, Portland.

NORMAN JOHN GEHRING, A. B., M. D.,
ASSISTANT DEMONSTRATOR OF HISTOLOGY.

684 Congress Street, Portland.

ROBERT LORD HULL, A. B., M. D.,
CLINICAL ASSISTANT IN INTERNAL MEDICINE.
639 Congress Street, Portland.

GEORGE THOMAS LITTLE, LITT. D.,
LIBRARIAN.

8 College Street, Brunswick.

CLARENCE ARDEEN PEASLEE, M. D.,
SETH TRUFANT SNIPE, A. B., M. D.,
VISITORS FROM THE MAINE MEDICAL ASSOCIATION.

GRADUATES OF 1904.

JOSEPH NAPOLEON GIDEON BERNARD,.....	Lewiston
ERNEST VICTOR CALL, A. B.....	Pittsfield
SILAS OLIVER CLASON, A. B.....	Lisbon Falls
CHARLES LANGMAID CRAGIN, A. B.....	Norway
JOHN SMALL DYER.....	New Sharon
EDWIN MOTLEY FULLER, JR., A. B.....	Bath
EDWIN WAGNER GEHRING, B. S.....	Bethel
RALPH WARREN GOSS, A. B.....	Lewiston
WILLIAM PARKER HUTCHINS.....	Oakland
ALBERT MARK JONES, A. B.....	Pittsfield
LINWOOD MELROSE KEENE.....	Northwood, N. H.
JOHN BERNARD MACDONALD	Waverley, Mass.
ARCHIBALD MCMILLAN	Boston, Mass.
FRANK LEROY MAGUNE.....	Rockport
HARRIS JAMES MILLIKEN, A. B.....	Bangor
RALPH ALMERON PARKER, A. B.....	So. Portland
GEORGE LORING PRATT, A. B.....	Strong
HARRY LESTER SMALL.....	Kingfield
DELBERT MASON STEWART, A. B.....	Lewiston
GEORGE WILLIS COLE STUDLEY.....	So. Portland
LEROI SCOTT SYPHERS.....	So. Portland
HERMAN KOTZSCHMAR TIBBETTS.....	Portland

STUDENTS IN 1904.

FOURTH YEAR.

Joseph Napoleon Gideon Bernard.....	Lewiston
Ernest Victor Call, A. B.....	Pittsfield
Silas Oliver Clason, A. B.....	Lisbon Falls
Charles Langmaid Cragin, A. B.....	Norway
John Small Dyer.....	New Sharon
Edwin Motley Fuller, Jr., A. B.....	Bath
Edwin Wagner Gehring, B. S.....	Bethel
Ralph Warren Goss, A. B.....	Lewiston
William Parker Hutchins.....	Oakland
Albert Mark Jones, A. B.....	Pittsfield
Linwood Melrose Keene.....	Northwood, N. H.
John Bernard Macdonald	Waverley, Mass.
Archibald McMillan.....	Boston, Mass.
Frank Leroy Magune	Rockport
Harris James Milliken, A. B.....	Bangor
Ralph Almeron Parker, A. B.....	So. Portland
George Loring Pratt, A. B.....	Strong
Harry Lester Small.....	Kingfield
Delbert Mason Stewart, A. B.....	Lewiston
George Willis Cole Studley.....	So. Portland
LeRoi Scott Syphers.....	So. Portland
Herman Kotzschmar Tibbetts.....	Portland

THIRD YEAR.

Robert Lawton Almy, Jr.....	Salem, Mass.
Nat Bailey Twycross Barker, A. B.....	Cedar Grove
Jesse Sumner Bragg, A. B.....	St. Albans
Frank Wilson Clarke.....	Damariscotta
DeForest Smith Day.....	Jefferson
Ernest Woodbury Files, A. B.....	Gorham
Ernest Bertrand Folsom, A. B.....	Stroudwater
Arthur Davis Gould	Ellsworth

Don Leslie Harden.....	Phillips
Benjamin Franklin Hayden, A. B.	So. Portland
Charles Henry Hunt, A. B.	Portland
Harry Joseph Hunt, A. B.	Bangor
John Christopher O'Connor, B. S.	Bradford, Mass.
James Edward Pooler.....	Waterville
Fred John Pritham.....	Freeport
Daniel Frank Davis Russell.....	Leeds
Warren Hunter Sherman.....	Damariscotta
Fred Milton Smith.....	Portland

SECOND YEAR

Harris Clark Barrows	Augusta
Arthur Osman Davis.....	Bridgton
John Lewis Davis	Portland
Louis Andrew Derry, A. B.	Portland
Frank Leslie Ferren	W. Levant
Stanwood Elmer Fisher.....	Portland
Leonard Harris Ford, B. S.	E. Eddington
Scott Goddard Larrabee.....	Scarboro
Homer Elbridge Marks.....	Portland
Bradstreet Henry Mason.....	Monroe P. O., Brooks
Maurice Albert Priest.....	Shawmut
Joseph Randall Ridlon, A. B.	Gorham
Walter Joseph Roberts.....	Kennebunkport
Atherton Monette Ross.....	Phillips
Harry Wilson Sampson.....	Monson
Alfred Herman Schriver.....	Middle Southampton, N. B.
Adam Shaw, Jr.....	Lowell, Mass.
Otis Franklin Simonds.....	Portland
Herbert Ellery Thompson.....	Sebago Lake
Francis Joseph Welch, A. B.	Portland
Chester McLoon Wiggin	Rockland
Malcolm Sumner Woodbury, A. B.	Portland

FIRST YEAR

Henry Wilson Abbott.....	Waterville
James Francis Cox.....	Houlton
Ora George Daniels, A. B.,.....	Chelsea, Mass.
David Ernest Doliff.....	Brooks

Harold Josselyn Everett.....	Portland
Ralph Waldo Foster	Milbridge
Harold Girard Giddings, A. B.....	Gardiner
Joseph Gumble.....	New Orleans, La.
Millard Park Hanson	Bath
George Harold Johnson.....	Augusta
Benjamin Henry Keller.....	Appleton
John Gustave Lawson.....	Jemtland
William Jerris Lewis.....	South Framingham, Mass.
Ernest Franklin MacVane.....	Portland
Henry Edward Marston, A. B.....	North Anson
Harold Elmon Mayo.....	Hampden
Ralph Alvah McIntire.....	Salt Lake City, Utah
Alphonso Clyde Merryman.....	Freeport
Roland Banks Moore.....	Portland
Charles Howard Newcomb.....	Newburgh Village
Charles Daniel North.....	Turner
Oscar Sewall Pettingill.....	Wayne
Frederick Whitney Pratt.....	Norway
Hugh Francis Quinn, A. B.....	Bangor
Magnus Gervise Ridlon.....	Porter
Percy Clinton Robinson.....	Warren
Archie Charles Ross.....	Portland
William Thomas Rowe	Portland
Harry Clayton Saunders	Portland
Alfred Loomis Sawyer.....	Fort Fairfield
Samuel Allison Sawyer, A. B.....	Lewiston
Karl Brooks Sturgis.....	Auburn
Merrick Sawyer Tibbets.....	East Palermo
Kidd Brown Twaddle.....	Bethel
Fred Lord Varney.....	East Lowell
Merton Ardeen Webber..	Fairfield
Millard Carroll Webber.....	Fairfield
William Cotman Whitmore.....	Portland
George Burgess Whitney.....	Marlboro, Mass.
Charles Arnold Wyndham.....	Lisbon Falls

ANNOUNCEMENT.

The Medical School of Maine, established by the first legislature of the State, was by its charter placed under the control of the Boards of Trustees and Overseers of Bowdoin College, of which institution it is the Medical Department.

Its course of instruction covers four years of eight months each. The studies are distributed through the curriculum according to the following schedule:

First Year: Anatomy, Histology, Physiology, Chemistry and Personal Hygiene.

Second Year: Anatomy, Physiology, Chemistry, Pathology, Bacteriology.

Third Year: Internal Medicine, Surgery, Materia Medica and Therapeutics, Obstetrics.

Fourth Year: Internal Medicine, Surgery, Materia Medica and Therapeutics, Medical Jurisprudence, Public Hygiene, Diseases of Women, Diseases of Children, Diseases of the Mind, Diseases of the Skin, Diseases of the Genito-Urinary System, Diseases of the Eye, Diseases of the Ear, Diseases of the Nose and Throat, Diseases of the Joints.

The course is strictly graded, and all of the required studies of one year must be completed before those of the next succeeding year can be entered upon.

At the end of each year an examination is held in the studies of that year, and the successful student receives a certificate from the Dean testifying to his passage. Those who prefer to defer their examination and those who have

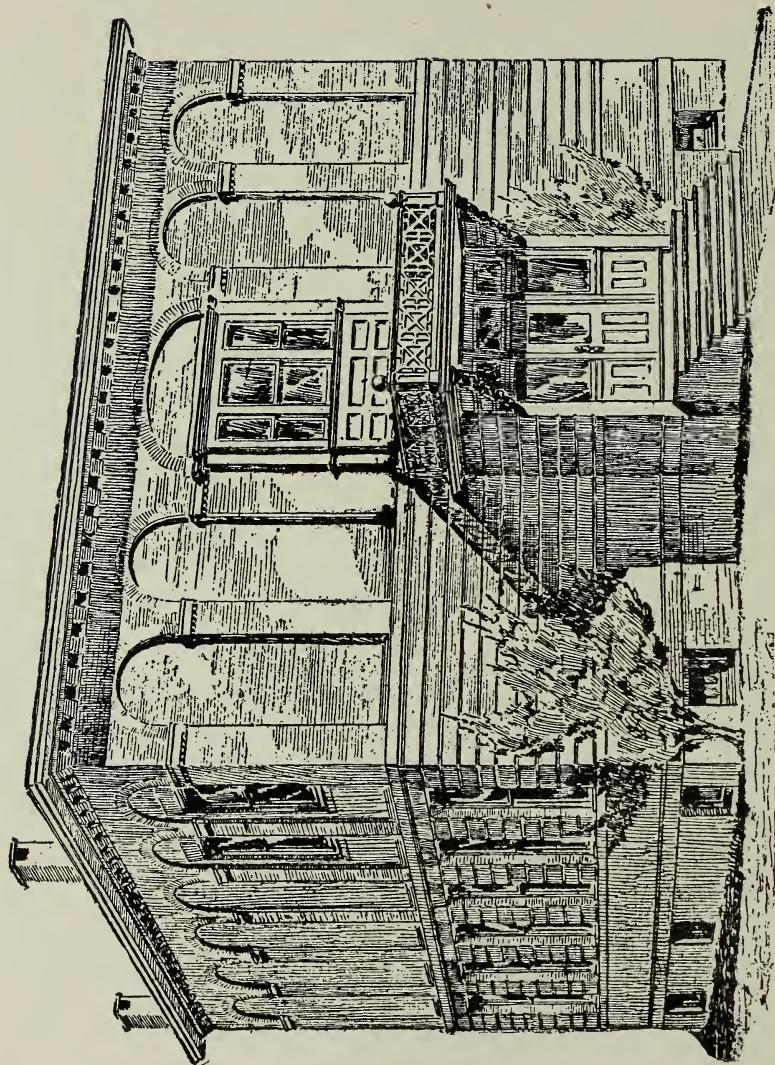
failed at the close of the school-year, are allowed one examination and one only at the beginning of the next year. If, for any sufficient cause, a student is unable to be present at the time appointed for this second examination, he may be examined three weeks after the beginning of the year. Failure to pass in the studies of any year will necessitate a repetition of the work of that year.

An examination which is not completed receives no consideration.

The students of the first and second years are instructed at Brunswick, where the school has been situated since its foundation in 1820, and where the facilities are excellent for imparting a knowledge of the primary branches. The third year and fourth year classes are taught in Portland on account of the superior clinical advantages afforded in that city. The building designed for the use of the school and now occupied by it, furnishes ample accommodations for the advanced classes. The location of the building is on Chadwick Street, near the Maine General Hospital, in which institution nearly all the teachers in the school are medical or surgical officers and the Directors of which are in full sympathy with the purposes of the Faculty.*

While the Maine General Hospital (a view of which is given on the last page of the cover) is the chief source of supply of clinical material for the school, Portland has a number of other institutions which will contribute to the bedside instruction of the students; and the various teachers, as opportunity permits, will show individual pupils interesting cases in their private practice.

*The electric cars (Spring Street line—blue) run on Vaughn Street, which is but one block from the School; and free transfers may be had from the Congress Street line (green) and the Middle Street line (red), so that one can easily reach the School from either end of the city, and from the Union, Grand Trunk and Rochester railway stations.



SCHOOL BUILDING, PORTLAND

The eighty-fifth annual course will begin on Thursday, the 20th of October, 1904, and will continue eight months.

Examination for *admission to the school* will be held at nine o'clock on the morning of the first day, Thursday the 20th of October, in Brunswick.

Re-examinations, deferred examinations and examinations for advanced standing for those who desire to enter the second year will be held in Brunswick, on Friday, the 21st of October. Examinations in anatomy at nine o'clock A. M., in physiology at two o'clock P. M.

Re-examinations, deferred examinations and examinations for advanced standing for those wishing to enter the third year will be held in Portland on Saturday, October 22nd. Examinations in anatomy at nine o'clock A. M., in physiology at two o'clock P. M.

Re-examinations, deferred examinations and examinations for those wishing to enter the fourth year will be held in Portland on Friday and Saturday, October 21st and 22nd, at hours to be hereafter appointed.

The systematic courses of instruction will begin on Monday morning the twenty-fourth of October

On arriving in Brunswick students should apply at the office of the Dean in the medical building, enter their names, receive directions concerning their examinations, if any are needed, pay their fees and be advised as to boarding places.

In Portland they should apply at the office in the medical building for the same purposes. Dr. Charles O. Hunt will act as deputy dean.

EXPENSES.

For Instruction:

In each of the required four years \$100. After attendance upon four full courses payment of the Matriculation fee only will be required.

For Examinations:

Payable at the end of the first year,

In Anatomy,	\$5.00
In Physiology,	5.00
In Chemistry,	5.00

Payable at the close of the term of instruction in Obstetrics, for examination in this branch, 5.00

These four fees are credited on the diploma or graduation fee.

For every re-examination in any of the above studies, \$3.00

This fee is not credited on the diploma fee.

For examination or re-examination in any branch at a time not regularly appointed, the student shall pay a fee of \$5.00 in addition to the prescribed fee for that examination.

Students who fail to pass the examinations at or near to the beginning of the course cannot be examined again until the end of the course. Nor can they be examined more than once under any conditions.

Miscellaneous:

The Matriculation fee of \$5.00 is required of every student each year.

For materials used in the chemical laboratory courses, about \$2.50 per year.

Material used in the physiological laboratory furnished at cost.

For materials used in the bacteriological laboratory about \$2.00.

For anatomical material, its cost.

For graduation fee (not returnable), including the parchment diploma, \$25. This will have been nearly paid in the examination fees of the previous years.

Graduates of other schools, who have been engaged three years in the regular practice of medicine, may receive a general ticket upon presentation of their diplomas and payment of the matriculation fee. Graduates of other schools are not eligible for a degree from this school without attendance upon a full course of instruction immediately preceding the examination for such a degree.

All fees must be *paid in cash and strictly in advance*.

Unfurnished rooms heated by steam can be secured in the College dormitories at a rental of from \$72 to \$108 for each course. Furnished rooms outside the College can be obtained at a rental of from \$1.50 to \$2.50 per week according to the conveniences. A sharing of the above expenses by two students evidently brings the cost within reasonable limits.

The price of board is from \$3.00 to \$3.50 a week.

The cost of living in Portland has been found to be not in excess of that at Brunswick.

\$15 to \$25 a year covers the cost of books.

REQUIREMENTS FOR ADMISSION.

Applicants for admission will be required to give evidence that they possess a good English education, and unless they present diplomas or entrance-tickets as provided below they must pass examinations in the following studies:

English.—Spelling, writing, construction of sentences and English grammar in general.

Arithmetic—As represented in the larger common-school text books on the subject.

Algebra—Including addition, subtraction, multiplication, division, factoring and simple equations, as, for example, the first eleven chapters in Wentworth's New School Algebra.

Geometry—Including at least three books of some standard plane geometry, as Wells' or Wentworth's.

History of the United States—To the extent afforded in the ordinary school history, such as Montgomery's.

Physics—Elementary principles, as taken up in any standard school text book. Such topics as the following should be specially studied: Energy, mass, specific gravity, flow of liquids and gases, action of heat and pressure, wave motions, construction and use of thermometers, reflection and refraction of light, movement of sound, development of electricity and magnetism and their general laws.

Chemistry—The principles of inorganic chemistry, as taken up in any standard school text book. The study should have been pursued by the laboratory method, or at least with illustrative experiments by the teacher.

Latin—Including sight-reading of easy Latin, a knowledge of the construction of Latin sentences, and the reading of some standard Latin author, as Cæsar or Virgil. At least two years should have been spent in the study of Latin in some good school.

Those who are graduates of Colleges, Normal Schools, High Schools, or Academies, or have passed the entrance examination to any recognized College, on presentation of their diplomas or matriculation tickets, will be exempt

from examination, provided that their previous studies have included Latin, Chemistry and Physics, to an extent not less than herein prescribed; but if their previous studies have not included Latin, Chemistry and Physics to the required extent, they must be examined upon these branches and their diplomas or matriculation tickets will exempt them from examination in the other branches. All without exception who have not such diplomas or tickets will be required to pass the entire entrance examination.

Business colleges are not recognized.

Students from other schools who apply for advanced standing must comply with the requirements for admission to the first year, must give satisfactory evidence that they have completed a course or courses of instruction, equivalent in kind and amount to that or those in this school preceding that to which admission is sought, and must pass examinations in all of the branches previously pursued by the class which they wish to enter. Certificates of the passage of examinations in other schools are not accepted in lieu of examinations.

It is desired that a literal interpretation shall be placed upon the stated requirements of the candidates for matriculation, as hitherto there have been not infrequent examples of those who inquire if other conditions than those named will not serve in lieu of the examination. The same consideration is asked for the explicit condition named as regulating the pre-payment of fees in cash.

GRADUATION.

A candidate must be twenty-one years of age, and must have devoted to his professional studies four years, including a course of instruction in each of these years in some reputable, regular, incorporated medical institution, and

the last course previous to examination must have been in this school. He must present a satisfactory certificate of good moral character from a citizen of the town in which he resides. He must also pass a satisfactory examination in the required studies previously specified and present a thesis on some medical subject, a fair copy of which must be handed to the Dean, at least ten days before the beginning of the final examinations.

Time spent in pharmacy, dental and veterinary institutions, and in preparatory schools does not entitle a student to examination for advanced standing.

A student who has received the degree of A. B., B. S. or any similar degree after four years of study in a recognized college or technical school if his studies have included a satisfactory amount of chemistry, physics and biology, may be admitted as a second year student, but when so admitted he shall not gain third year standing until he has passed satisfactory examinations in the studies of the first and second years.

METHODS OF INSTRUCTION.

In order to afford to students who contemplate entering the school an idea of the facilities presented by this institution for acquiring a knowledge of the science and art of medicine, a brief statement is here made of the scope of the work in each department and the methods adopted for imparting instruction.

ANATOMY.

The course in this branch covers two years. In the early part of the first year the elementary tissues are studied, both in the lecture-room and the histological laboratory. Then the viscera (including the cerebro-spinal axis and

the organs of the special senses) are taken up in such order as will enable the student to become acquainted with the structure of each organ before its function is treated of by the professor of physiology. At the same time with this work the subjects of osteology and arthrology are pursued. All of these exercises are illustrated by casts, models, fresh and preserved specimens, and free-hand blackboard drawings. Some subjects are treated by lectures; but the recitation method has the more prominent place.

A large number of disarticulated skeletons are provided, and may be borrowed by the class, so that each student may study his osteology in the most practical way. The course in minute anatomy extends throughout the year, each student being provided with a microscope, and having a careful drill in staining and mounting specimens, as well as in the recognition of the structure of the various organs. The dissection of some higher vertebrates is practised in the latter part of the year, with a view to the observation of the homologies, and also the attainment of manual dexterity with anatomical implements.

The second year in anatomy is devoted to the remainder of systematic anatomy and to relational anatomy. Myology is taken first, and the student must be able to recognize the muscles in the part which he is to dissect before he is allowed to work on the cadaver. Two dissections on different parts are required and students are encouraged to dissect as much more as is possible. Surface anatomy is illustrated upon the living model, upon which, also, the students are required to make demonstrations. In the examinations at the close of the year demonstrations upon the dissected subjects are a prominent feature.

Before coming to the school students can do much to equip themselves for appreciation of human anatomy by

making systematic dissections of some lower animals; and to this end they are earnestly advised to follow faithfully the directions prescribed in "Physiology Practicums," which will be sent post-paid for one dollar by the author, Prof. B. G. Wilder, Ithaca, N. Y. Admirable books in the same line are Wilder and Gage's Anatomical Technology, Foster and Langley's Practical Physiology, and Huxley and Martin's Biology.

The Anatomical Museum, previously well supplied with wet and dry specimens, casts and models in plaster, wax, and papier mache, has recently been enriched by a large importation from Germany, also by the splendid and most generous gift of Auzoux's complete model of a man from Hon. John Fremont Hill, Governor of our State and an alumnus of 1877.

PHYSIOLOGY.

Instruction in this department is conducted with a view to the practical application of the facts of physiology to the needs of the student in his study of the diagnosis and treatment of disease, and demonstrations and experimental teaching are employed so far as they can be made to serve this purpose.

The instruction will be given largely by practical laboratory work, and text book recitations, and by supplementary lectures.

A new laboratory for class work, now in process of construction, will be ready, amply equipped, for the work of this year.

Laboratory material will be supplied to students at cost.

The work of the first year is devoted to study of the functions of Nutrition and Reproduction; that of the second year to the Nervous System and Special Senses, the functions of relation.

In connection with this course several hours are devoted to the subject of Personal Hygiene.

CHEMISTRY.

The chemical courses for the session of 1904 will be as follows:

First year students will begin with general chemical analysis, work in which will continue until about the time of the spring recess. The remainder of the term will be given to general organic chemistry. The work will be largely in the laboratory and will occupy from four to six hours per week.

Second year students will be given instruction in physiological chemistry and allied topics throughout the term, two to four hours per week.

The course will consist very largely of laboratory work and special attention will be given to urinary analysis.

At the end of each year examinations are held, and the results of these, taken in connection with the laboratory work and quizzes, determine whether the work has been satisfactorily completed or not.

Students who satisfy the professor of chemistry that they have pursued courses of chemical study similar to either of the above may be examined by him at the beginning of the term, and if the examination is satisfactory they will be excused from attendance upon the courses in question.

The Chemical Department embraces every article of apparatus essential to the complete illustration of the principles of Chemistry.

The laboratories in the Mary F. S. Searles Science Building furnish unsurpassed advantages for special courses in analytical chemistry, urinary analysis, and toxicology.

OBSTETRICS.

The instruction in this branch is given by lectures, recitations, and quizzes illustrated by models, manikins, and actual specimens.

INTERNAL MEDICINE.

Instruction during the third year will include careful and extended study of diagnostic methods and special diseases.

The fourth year will be devoted to such special diseases as have not been considered during the previous year. Regular quizzes will be conducted throughout both years.

A medical clinic will be held by the professor at the Hospital every Thursday at 9 A. M., the material being furnished by the visiting physicians from the resources of their wards, and by all members of the faculty as they have cases of interest which can be utilized for the illustration of subjects under treatment in the didactic course. The visiting physicians will hold additional clinics as the opportunity occurs. Definite announcements of these exercises will be seasonably made.

BACTERIOLOGY AND PATHOLOGICAL HISTOLOGY.

The new, commodious, and amply equipped laboratory in Seth Adams Hall gives excellent facilities for instruction in bacteriology and pathological histology. The course in surgical pathological histology is given in the laboratory at the school building in Portland.

1. Bacteriology. Instruction is given by lectures and laboratory work. In the laboratory course, each student is required to cultivate upon six media twelve varieties of pathogenic bacteria, to make stained microscopical preparations of each variety, and to study with the microscope the living organisms in hanging drop preparations. The

media and staining fluids are prepared by students. A limited number of inoculation experiments upon animals are performed. Special attention is given to the examination of sputum for tubercle bacilli, to the diagnosis of diphtheria by means of making smears from suspected throats on Loeffler's blood-serum mixture, to the technic of the serum diagnosis of typhoid fever, and to methods of staining gonorrhreal pus.

2. Pathological Histology. Instruction is given by lectures and laboratory work. An introductory course of lectures upon general pathology is followed by the study of inflammations excited by chemical and bacterial causes, including the pathological histology of pneumonia, diphtheria, tuberculosis, etc. The latter part of the course is devoted mainly to the study of degenerations and tumors. In each case the description of particular lesions is followed by microscopical examination of the same lesions.

3. Blood Examination. A short course in which students are trained in counting the red and white corpuscles, in estimating the amount of hemoglobin, in preparing and examining fresh and stained specimens.

4. Surgical Pathological Histology. This is a laboratory course in which each third-year student examines microscopically the tissues obtained at the surgical clinic at the Maine General Hospital. The microscopical preparations become the property of the student and are preserved for reference in connection with his clinic record as showing the pathology of cases previously observed.

SURGERY.

Instruction is given in the principles of surgery during the third and fourth years, and consists of both didactic teaching and clinical instruction. During the third year

the didactic instruction will be limited to general surgery, including surgical bacteriology, aseptic and antiseptic surgery, general diagnosis, irritation, sympathy and congestion, inflammation and its effects, textural changes, new formation, benign and malignant, wounds and poisons. It will also include surgical instruments and other appliances, anesthetics and the method of their administration. Third year students will also be required to attend the surgical clinics and bed-side teaching at the Maine General Hospital.

During the fourth year, the didactic lectures will be limited to special surgery, embracing the various surgical diseases, injuries and malformations of particular organs, tissues and regions of the body. Students will also attend the surgical clinics and ward instruction at the Hospital.

At the end of the fourth year, candidates for the degree of M. D. will be examined not only in special surgery, but also in the work done at the Hospital. The professor will also be at liberty to ask questions in general surgery.

The didactic lectures are supplemented by ample bed-side teaching at the Maine General Hospital. A clinic will be held at the Hospital every Saturday from 10 to 12, the visiting surgeons of which will place at the disposal of the professor whatever material in their wards he desires for illustration of the topics which he has in hand.

In addition to these systematic clinics, students have the privilege of witnessing operations almost every day at the Hospital, and these will be explained and made as useful as possible by the attending surgeons. Opportunity will be given to observe the after treatment and subsequent progress of the cases, sections of the class being

permitted to visit the wards under the guidance of the surgeons on duty.

Minor and operative surgery receive due attention and the most practical character is given to the instruction, the students being required to apply bandages and other dressings, and perform operations upon the cadaver under the direct supervision of the instructor.

MATERIA MEDICA AND THERAPEUTICS.

Instruction in this department will be given during the third and fourth years.

In the third year the teaching will be given by lectures and quizzes, with special attention given to prescription writing.

In the fourth year, the lectures and quizzes will be continued, and there will also be a recitation course in practical therapeutics.

MEDICAL JURISPRUDENCE.

The instruction in Medical Jurisprudence will be directed mainly to an exposition of the legal duties and responsibilities of physicians and surgeons to their patients and also to their character and position as medical expert witnesses in Courts of Justice. Practical suggestions will be given for guidance in both respects.

GYNÆCOLOGY.

The third-year students will begin the study of Diseases of Women. The method pursued will be largely that which will teach the principles of the subject by means of recitations, lectures and cases. The work of the fourth year in this department will be almost entirely practical and clinical.

All fourth-year students will have abundant oppor-

tunities to examine patients under the direction of the instructors in gynæcology.

DISEASES OF CHILDREN.

Instruction will be given by recitations, lectures, clinical demonstrations, and study of cases by individual students with reports and discussions by members of the class.

MENTAL DISEASES.

The professor of this department is chief medical officer of the Pennsylvania Hospital for the Insane. Especial efforts are made to instruct the students in the early recognition of insanity, with a view to the institution of treatment at the time when it is most productive of good results.

OPHTHALMOLOGY.

The instruction in this department will be given by lectures and clinics. A weekly clinic will be held at the Hospital on Saturday, at 9 A. M. The various diseases will be described as cases illustrating them are available for demonstration; operations will be performed when required; and other treatment applied as may be necessary.

PUBLIC HYGIENE.

Instruction is given by the Professor of Physiology who is a member of the State Board of Health, by lectures upon the principles of Public Sanitation, considering the source and character of public water supplies and the collection and disposal of waste, with special reference to preventable diseases.

Several hours are devoted to sanitary legislation and the relations and obligations of the practicing physician

to public and health-boards, in the management of infectious diseases.

Instruction in Neurology will be given to the fourth class each week throughout the course by lectures, clinics and quizzes.

Instruction in Genito-Urinary Surgery will be given to the fourth class each week during the first half of the course—during the last half the same time will be devoted to instruction in Dermatology.

A clinic in Orthopedic Surgery will be held at the Hospital on each Friday morning at 9 A. M.

THE LIBRARY.

The Library of the Medical School, containing 3,700 volumes, has been combined with that of the College, which numbers over 80,000 volumes. Both collections are under the same administration and are at the service of the medical students. The more recently published medical works and current numbers of professional journals are kept in a separate room in the main library building for their especial use. It is not the policy of the school to furnish text books through its library, or to buy largely in medical literature; yet, by means of the catalogue of the Library of the Surgeon General's Office and the system of inter-library loans, the librarian is able to procure for use in serious investigation almost any book that may be desired.

TEXT BOOKS.

ANATOMY—Gerish. For reference: Quain.

PHYSIOLOGY—For recitation work, Blakiston's edition of Kirke's. For reference, Landois and Stirling, Foster, Howell's "The American Text book of Physiology." For Laboratory reference, Porter's Introduction to Physiology and Sterling's Practical Physiology.

CHEMISTRY—For general reference, Simon, Bartley, Pellew. For reference in urinary analysis, Purdy, Black, Tyson. For use in laboratory, Robinson's Qualitative Chemical Analysis.

PUBLIC HYGIENE—For reference, Harrington, Coplin and Bevan, Parke's "Practical Hygiene," Abbott's "Hygiene of the Transmissible Diseases."

MATERIA MEDICA AND THERAPEUTICS—For recitation work, Hare; for reference, White & Wilcox, H. C. Wood, Cushney.

PRACTICE OF MEDICINE—Osler, Anders, Strumpell, Eichorst, Medical Diagnosis, DaCosta. Clinical Diagnosis, Simon. "Clinical Pathology of the Blood," Ewing.

PHYSICAL DIAGNOSIS—Cabot, Lefevre.

BACTERIOLOGY—For reference, Abbott, Muir and Richie, McFarland, Levy and Klempner.

PATHOLOGY—For reference, Ziegler, Mallory and Wright, Coplin, Green.

TEXT BOOKS—The American Text Book of Surgery. DaCosta's Modern Surgery. Dennis' System of Surgery. Park's Treatise on Surgery. Bryant's Operative Surgery. The International Text Book of Surgery. Shurley's Diseases of Nose and Throat. Warren's Surgical Pathology and Therapeutics. The Practice of Surgery, Wharton and Curtis. Modern Surgery by Roberts. Traumatic Injuries of the Brain, Phelps.

OBSTETRICS—Williams, American Text Book of Obstetrics, Hirst, Jewett, Reynolds and Newell, Edgar.

DISEASES OF WOMEN—Dudley, Penrose, Reed, Kelly 2 vols.

DISEASES OF CHILDREN—Holt, Rotch, Williams.

MEDICAL JURISPRUDENCE—Taylor with Bell's Notes, Ewell.

DISEASES OF THE EYE—Nettleship, Swanzay, DeSchweinitz.

DERMATOLOGY—Walker's Introduction.

ORTHOPEDIC SURGERY—Bradford and Lovett.

DICTIONARIES—Dorland Illustrated, Duane, Gould.

CALENDAR.

1904.

- 20 October—Thursday. Entrance Examination: for first year students, at nine o'clock, A. M., in Brunswick.
- 21 October—Friday. Re-examinations, deferred examinations and examinations for advanced standing for second year in Brunswick, in Anatomy, at nine o'clock, A. M.; in Physiology at two o'clock, P. M.
- 22 October—Saturday. Re-examinations, deferred examinations and examinations for advanced standing, for third year, in Anatomy, at nine o'clock, A. M.; in Physiology at two o'clock, P. M.

Re-examinations, deferred examinations and examinations for those wishing to enter the fourth year will be held in Portland on Friday and Saturday, October 21st and 22nd, at hours to be hereafter appointed.

- 27 November—Thanksgiving. Holiday.

Recess from noon of Friday, December 23, to morning of Tuesday, January 3d.

1905.

- 2 January—Monday succeeding New Year's Day. Holiday. No exercises.
- 22 February—Wednesday, Washington's Birthday. Holiday. No exercises.

April—Recess from noon of Saturday, April 1st, to morning of Tuesday, April 10th.

- 30 May—Wednesday, Memorial Day. Holiday. No exercises.

7 to 21 June—Wednesday to Wednesday of second week. Examinations.

- 21 June—Wednesday. Commencement.

THE MAINE GENERAL HOSPITAL, PORTLAND

